

**RAPID-ACTUATED SUCTION CUP DEVICE****ABSTRACT**

5 A suction device having a suction cup; a pulling bar, the  
pulling bar having a first end coupled to the suction cup and an  
opposed second end; a cover having a spiral guiding ring, the  
spiral guiding ring having a flange on an inner surface; a  
spiral guiding cap having a rib, the spiral guiding cap being  
10 rotatably coupled to the spiral guiding ring so that the flange  
moves along the rib when the spiral guiding cap is rotated and  
a locking cap coupled to the second end of the pulling bar, the  
locking cap having a head positionable against the spiral  
guiding cap; wherein the spiral guiding cap is turned less than  
15 360 degrees to reach a fully engaged condition.